

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0104337

Owner: Kraft Foods, Inc.  
Address: Three Lakes Drive, Northfield, IL 60093

Continuing Authority: Same as above  
Address: Same as above

Facility Name: Columbia Foods Company  
Address: 4600 Waco Road, Columbia, MO 65202

Legal Description: SE ¼, SE ¼, Sec. 21, T49N, R12W, Boone County

Receiving Stream: Unnamed Tributary to Hinkson Creek (U)  
First Classified Stream and ID: Hinkson Creek (C)(01008) 303(d) list  
USGS Basin & Sub-watershed No.: (10300102-120001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

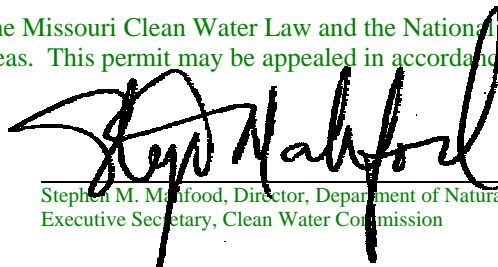
**FACILITY DESCRIPTION**

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

June 29, 2001      July 11, 2003  
Effective Date      Revised

June 28, 2006  
Expiration Date  
MO 780-0041 (10-93)

  
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Stephen M. Mahood, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

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G. Irene Crawford, Director, Northeast Regional Office

FACILITY DESCRIPTION (continued)

Outfall #001 - Food Processing - SIC #2013

Contact cooling water/storm water runoff.

Design flow is 40,000 gallons per day for cooling water & 100,000 gallons per day for stormwater.

Actual flow is 20,000 gallons per day for cooling water & 10,700 gallons per day for stormwater.

Outfall #002 - Stormwater runoff - SIC #2013

Design flow is 37,000 gallons per day.

Actual flow is 3,700 gallons per day.

Outfall #003 - Stormwater runoff - SIC #2013

Design flow is 140,000 gallons per day.

Actual flow is 14,000 gallons per day.

Outfall #004 - Stormwater runoff - SIC #2013

Design flow is 130,500 gallons per day.

Actual flow is 13,050 gallons per day.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 5	
					PERMIT NUMBER MO-0104337	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/quarter**	instantaneous estimate
Biochemical Oxygen Demand <sub>5</sub>	mg/L	45		30	once/quarter**	grab
Total Suspended Solids	mg/L	100		50	once/quarter**	grab
Total Residual Chlorine	mg/L	1.0		1.0	once/quarter**	grab
Oil & Grease	mg/L	20		15	once/quarter**	grab
Temperature	°F	***		***	once/quarter**	grab
pH - Units	SU	****		****	once/quarter**	grab
<u>Outfalls #002 - #004</u> (Stormwater)						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Biochemical Oxygen Demand <sub>5</sub>	mg/L	45		30	once/quarter**	grab
Total Suspended Solids	mg/L	100		50	once/quarter**	grab
Oil & Grease	mg/L	20		15	once/quarter**	grab
pH - Units	SU	****		****	once/quarter**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>July 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)**

- \* Monitoring requirement only.
- \*\* Sample once per quarter in the months of March, June, September & December.
- \*\*\* Effluent shall not elevate or depress the temperature of the receiving stream beyond the mixing zone more than five (5°)F. The stream temperature beyond the mixing zone shall not exceed ninety (90°)F due to the effluent.
- \*\*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
  - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
    - (1) One hundred micrograms per liter (100 µg/L);
    - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
    - (4) The level established in Part A of the permit by the Director.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
5. Report as no-discharge when a discharge does not occur during the report period.
  6. In addition to the monitoring requirements under Section A, an annual operating report shall be submitted with the fourth quarter monitoring report. The report shall detail any unusual occurrences such as spills, tank failures or overflows, ruptured piping or other upsets which resulted in any loss of product or additive. The report shall also detail any remedial work undertaken to recover product or clean-up of the site.
  7. The permittee shall report any unusual occurrences such as spills, tank failures or overflows, ruptured piping or other upsets which result in any loss of product or additive within 24 hours of the occurrence. A written report of such occurrences shall be submitted within five (5) working days of request from the Missouri Department of Natural Resources. The report shall also detail any remedial work undertaken to recover product or clean-up of the site.

C. SPECIAL CONDITIONS (continued)

8. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
9. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities
  - (a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
  - (b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids from the lagoon. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.
10. Permittee shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) for the facility in accordance with the guidelines described in Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, EPA document number EPA 832-R-92-006, published by the USEPA, September 1992, or other appropriate guidelines. The SWPPP must be kept on site. The SWPPP must include:
  - a. A listing of Best Management Practices (BMPs) to be implemented at the facility to control and minimize the amount of potential contaminants that may contact storm water.
  - b. A schedule for implementing the BMPs.
  - c. A schedule for a monthly site inspection and brief written report or inspection log. The report or log should include observations and evaluations of BMP condition, effectiveness, deficiencies, and corrective measures to be taken. Inspection reports must be kept on site and made available to MDNR personnel upon request.
  - d. A provision to designate an individual as responsible for environmental matters.
  - e. A provision for training all involved personnel in material handling and storage, and housekeeping of maintenance areas.